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DOCKET NO.: CELL-0304/PA531-USW01  
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In Re Application of:**

**Graham Robert Evans, et al.**

**Confirmation No.: 1922**

**Application No.: 10/561,051**

**Group Art Unit: Not Yet Assigned**

**Filing Date: June 8, 2006**

**Examiner: Not Yet Assigned**

**For: PROCESS FOR PREPARING 3-AMINOTHIENOPYRIDONE DERIVATIVES**

DATE OF DEPOSIT: *December 6, 2006*

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

*Elizabeth A. McLoud*

TYPED NAME: Elizabeth A. McLoud

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

- ☐ Certification in Accordance with § 1.97(e) is attached; or  
☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☒ Copies of reference numbers **1 – 6 and 8 - 9** listed on the attached Form PTO-1449 are enclosed herewith.

- ☒ A copy of reference number **7** on the attached Form PTO 1449 is not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

- ☐ Copies of references - are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for

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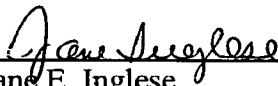
which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

☐ The relevance of those listed references which are not in the English language is as follows:

There are no listed references which are not in the English language.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: *Dec. 4, 2006*

  
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. CELL-0304/ PA531-USw01	Application No. 10/561,051
	Applicant Graham Robert Evans, et al.	
	Filing Date June 8, 2006	Group Not Yet Assigned
Confirmation No. 1922		

**NON-PATENT DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1	Adhikari, et al., "An adventitious synthesis of 2,2'-dipyrryl disulfides," <i>Aust. J. Chem.</i> , <b>1999</b> , <i>52</i> , 63-67
2	Hartwig, J.F., "Transition metal catalyzed synthesis of arylamines and aryl ethers from aryl halides and triflates: scope and mechanism," <i>Angew. Chem., Int. Ed. Engl.</i> , <b>1998</b> , <i>37</i> , 2046-2067
3	Hedayatullah, M., "Alkylation des pyrimidines en catalyse par transfert de phase," <i>J. Heterocyclic Chem.</i> , <b>1981</b> , <i>18</i> , 339 (no English abstract)
4	Luker, T.J., et al., "Palladium catalysed amination of electron deficient halothiophenes," <i>Tetrahedron Lett.</i> , <b>2001</b> , <i>41</i> , 7731-7735
5	Nicolaides, E.D., et al., "Modified Di- and tripeptides of the C-Terminal portion of oxytocin and vasopressin as possible cognition activation agents," <i>J. Med. Chem.</i> , <b>1986</b> , <i>29</i> , 959-971
6	Wolfe, J.P., "Scope and limitations of the Pd/BINAP-catalyzed amination of aryl bromides," <i>J. Org. Chem.</i> , <b>2000</b> , <i>65</i> , 1144-1157

<b>EXAMINER</b> /Niloofar Rahmani/	<b>DATE CONSIDERED</b> 04/14/2008
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## U. S. PATENT DOCUMENTS

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### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	8	WO 2004/000846 A1	12/31/03	PCT		
	9	WO 2004/014920 A1	02/19/04	OCT		

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